

ABSTRACT OF THE DISCLOSURE

This thermoplastic elastomer is present in a substantially solid state suitable for use as a binder for a propellant, explosive, and/or gas generant of a supplemental restraint system. The thermoplastic elastomer is formed from a composition including

- 5 A blocks which are crystalline at temperatures below about 75°C and B blocks which are amorphous at temperatures above about -20°C. The A blocks are derived from oxetane derivatives and/or tetrahydrofuran derivatives. The B blocks are derived from oxetanes, tetrahydrofuran, oxiranes, and derivatives thereof. The A and B
- 10 difunctional oligomer having two functional groups which are reactive with free and unreacted isocyanate moieties of the diisocyanate.